

PATENT APPLN. NO. 10/531,045
AMENDMENT

PATENT
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REMARKS

In the Submission under 37 C.F.R. § 1.114 filed with the Request for Continued Examination of this application on June 16, 2010, claim 1 was amended to include the limitation "a film containing LiF is formed on said divided noncrystalline thin film." The "Remarks" in the Submission explained that this limitation is supported by paragraph [0066] of the specification and Figures 3 and 4. More particularly, it was explained that Li_2F^+ ion is detected for battery Al in accordance with the present invention and that it is known in the art that the detection of Li_2F^+ ion in a TOF-SIMS spectrum such as Figure 3 means that LiF is formed.

The Examiner in charge of this application, Mr. John Maples, contacted the undersigned on June 24, 2010, and requested that evidence be provided which supports applicants' position.

Applicants are submitting herewith, as evidence that the detection of an ion such as Li_2F^+ in a TOF-SIMS spectrum means that lithium fluoride is formed, the following publications:

- (1) The TRC News No.103 (Apr.2008) pp. 20 - 21 published by TORAY Research Center, Inc., and a partial English translation including an English translation of Figure 3;
and
- (2) Journal of Nuclear Science and Technology, 19[7],

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pp. 563 - 570 (July 1982).

Publication (1) shows that that the detection of Li_mF_n^+ in a TOF-SIMS spectrum means that lithium fluoride is formed.

Publication (2) shows that the detection of Li_2F^+ in an SIMS spectrum means that lithium fluoride such as Li_2F_2 is formed (Abstract).

PTO/SB/08, which identifies the the above publications is attached hereto. The Office is respectfully requested to initial the USPTO/SB/08 form to indicate that it has considered the publications or to otherwise indicate in the record that it has considered the publications.

In view of the descriptions in the enclosed publications, claim 1 has been amended to precisely recite the formation of a film containing "lithium fluoride" on the divided noncrystalline thin film.

In the event that any fees are required in connection with this amendment, please charge Deposit Account No. 111833.

Respectfully submitted,
KUBOVCIK & KUBOVCIK



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- Attachments:
- (1) The TRC News No.103 (Apr.2008) pp. 20 - 21 published by TORAY Research Center, Inc., and a partial English translation including an English translation of Figure 3
 - (2) Journal of Nuclear Science and Technology, 19[7], pp. 563 - 570 (July 1982).
 - (3) PTO/SB/08